



⊖ Pending

☒ Active

2 L7: (1) 6 and "reference gain" clm.

**Failed**

  Saved

• S10: (2) S9 and "packet data"

United States  
Patent Application Publication

(14) APPARATUS AND METHOD FOR  
COMPENSATING GAIN OF AN AUTOMATIC  
GAIN CONTROLLER .

(2) Deputies: Deputy Chief, Traffic Unit (CR);  
Deputy Chief, Patrol (CR); Deputy Chief,  
Det. Division (CR)

Company/Address  
Peter L. Kunkel  
Raytheon, Alameda, Burke & Goudreau, L.L.C.  
Suite 600  
1200 12th Street, N.W.  
Washington, DC 20004-4700

(21) Appl. No. 10991,623

(22) Filed Dec. 24, 2011

(XX) Foreign Application Priority Date

Doc. 24, 2007 (EX) - 2007-07-24

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

**Publication Categories**

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 08-23-01 BY 60324 JAL/SP/STP

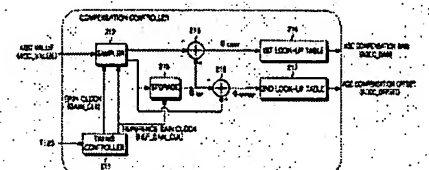
to and worked for constructing the grid of a  
Gain Controller (AGC) for stabilizing the output  
of discontinuously transmitted pulses; data in a  
transmission system are discarded. A correspond-  
ing module in AGC takes data from the AGC

in AUC value by a predetermined length training validation period, and obtain an AUC, compare

by comparing a predicted value with the  
measured value. The difference is the error.

AOC value with the AOC compression gain

...ing areas generated in view of the nature of



 BRS form  IS&R form  Image  Text  HTML

	U	1	Document ID	Source	Issue Date	Page	Title	Current	Current	Ret	Inventor
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20040102168 A1	US-PGP UB	20040527	15	Apparatus and method for compensating gain of an auto	455/234.1	455/138		Ahn, Seong-Woo et al

 Hits
  Details
  HTML

## Ready



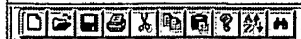
- S9: (33) S8 and timing

455/127.2 455/127.3 455/127.4 455/138 455/177.1  
455/200.1 455/232.1 455/234.1 455/245.1 455/293  
455/334 455/240.1 455/250.1 455/251.1

 BRS form
  IS&R form
  Image
  Text
  HTML

U	1	Document ID	Source	Issue Date	Page	Title	Current	Current	Ret	Inventor

☒ Hits
 ☐ Details
 ☒ HTML



## Drafts

BRS:

BRS:

## Pending

## Active

L1: (3583) 455/127.2 455/127.3 455/127.4 455/138 455/177.1 455/200.1

L2: (1168) 1 and (AGC or "automatic gain controller")

L3: (9) 2 and "compensation gain"

L4: (1) 3 and "reference gain"

## Failed

## Saved

S1: (75850) "455"/\$.ccls.

S2: (3405) S1 and (AGC or "automatic gain controller")

S3: (11) S2 and "compensation gain"

S5: (2) S4 and timing

S6: (36748) AGC or "automatic gain controller"

S7: (86) S6 and "compensation gain"

S8: (81) S7 and reference

S9: (33) S8 and timing

S10: (2) S9 and "packet data"

S11: (22) S9 and offset

S12: (22) S11 and difference

S13: (18) S12 and clock

United States

Patent Application Publication Pub. No. US 2004/0102168 A1

Ahn et al.

Pub. Date: May 27, 2004

60 APPARATUS AND METHOD FOR  
COMPENSATING GAIN OF AN AUTOMATIC  
GAIN CONTROLLER

Publication Classification

(C1) Int. Cl. H03F 7/00

(C2) U.S. Cl. 359/241; 359/250

(7a) Inventors: Seong-Woo Ahn, Yong-Seo Ahn,  
Yoon-Ho Ahn, Seon-Ho Ahn, Sang-Ho  
Ahn, Hwang-Goo Ahn

(7b) ADDRESS

Correspondence Address:  
Patent Law Office,  
Bosch, Ahn, & Associates, L.L.P.,  
1300 13th Street, N.W.,  
Washington, DC 20004-5120

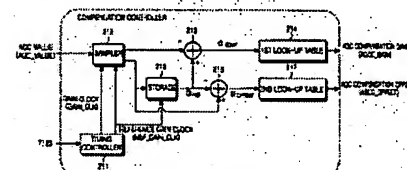
(21) Appl. No. 10/914,444

(22) Filed Oct. 30, 2003

(30) Foreign Application Priority Data

Oct. 30, 2002 (K1) 2002-01200

An apparatus and method for compensating the gain of an automatic gain controller (AGC) for reducing the susceptibility of discontinuously transmitted packet data in a multi-carrier communication system are disclosed. A compensation controller receives an AGC value from the AGC, compares the AGC value to a predetermined sample mean for a predetermined period, and outputs an AGC compensation gain by comparing a predetermined value with the difference between a sampled AGC value and a reference gain for the predetermined period. A compensation controller calculates the AGC value with the AGC compensation gain, thereby extracting data generated in view of the value of the AGC.



BRS form IS&amp;R form Image Text HTML

	U	1	Document ID	Source	Issue Date	Page	Title	Current	Current	Ret	Inventor
1			US 20040102168 A1	US-PGP UB	20040527	15	Apparatus and method for compensating gain of an auto	455/234.1	455/138		Ahn, Seong-Woo et al

Hits Details HTML

Ready

NUM